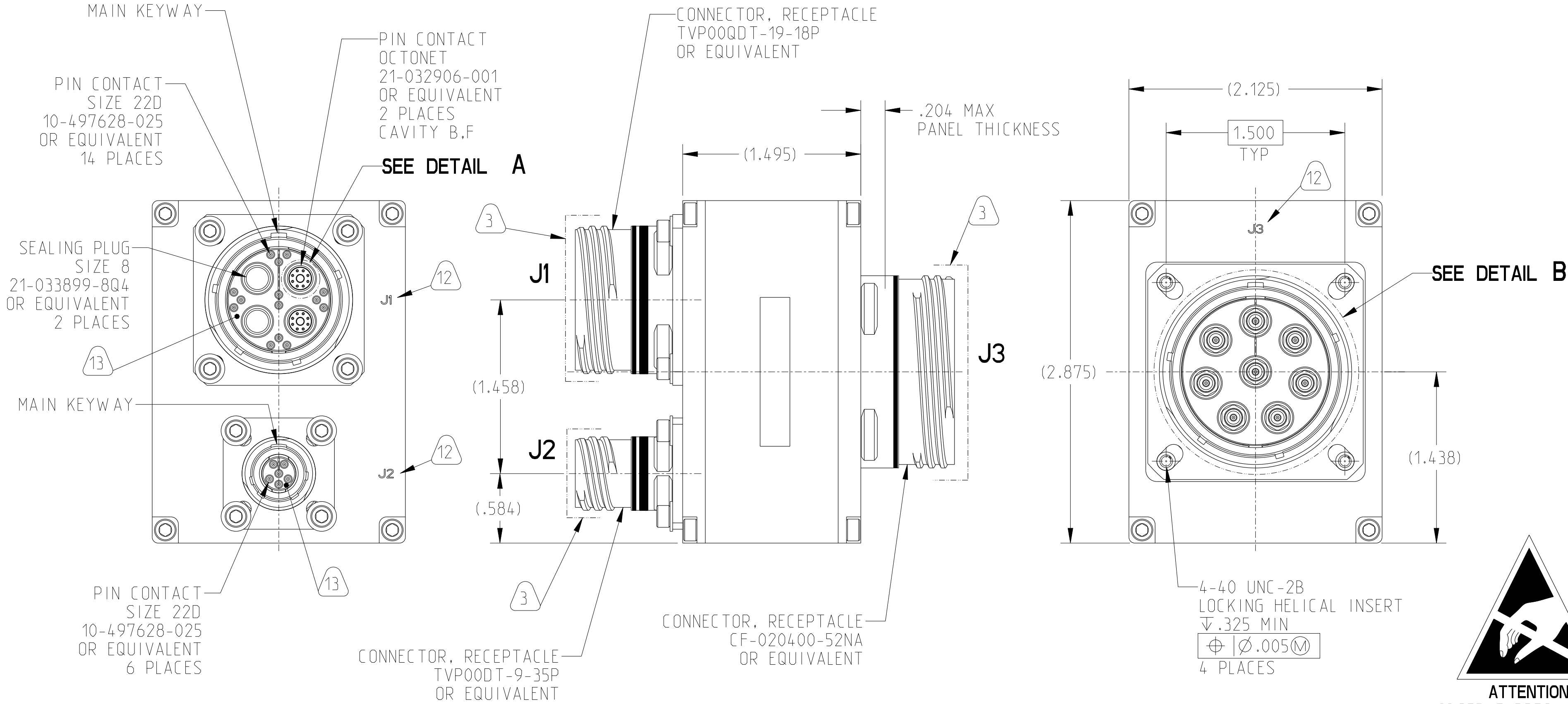


REV. A	SHEET 1 OF 3	DOCUMENT NO. CF-020400-52X
REVISIONS M		
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	08/15/2022

CF-020400-52X
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REV. A
C
B
A
FORMAT: C-0-E-1

PART NUMBER	J1 CONNECTOR KEY ROTATION	J2 CONNECTOR KEY ROTATION	J3 CONNECTOR KEY ROTATION
CF-020400-52N	N	N	N



SEE SHEET 3	NOTES:
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PRO/ENGINEER INFORMATION	
NONE	Pro/e Model Used:
NEXT ASSEMBLY	CF-020400-52X.ASSEM
	Drawing Name:
	CF-020400-52X

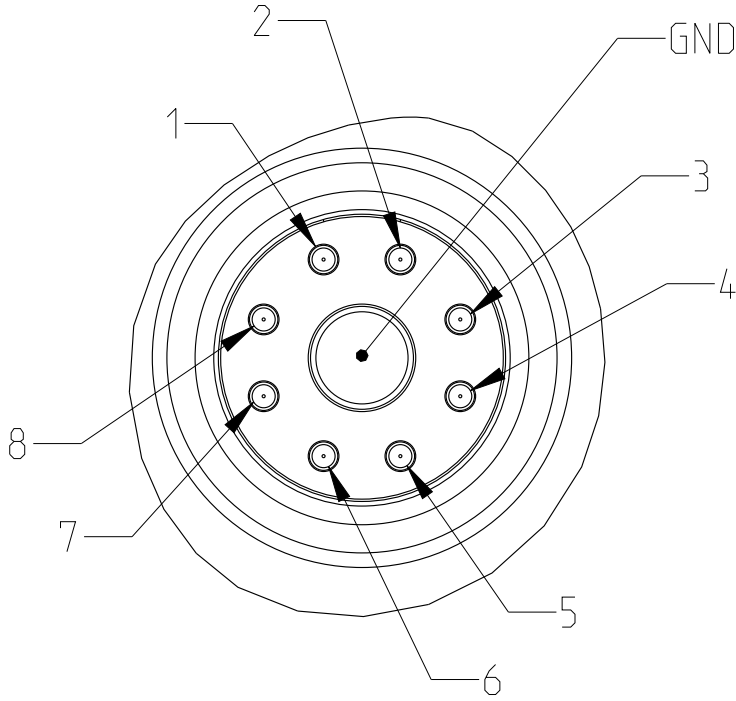
UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = $\pm .0005$ ANGLES = $\pm 2^\circ$.XXX = $\pm .010$.XX = $\pm .03$.X = $\pm .1$ DIM. & TOL. PER ASME Y14.5M; DRM PER MIL-STD-31000; OTHER Amphenol Sds. PER 9-3800 LEGENDS: = FLAG NOTE CALL OUT REFERENCE ONLY		MATERIAL SPEC.		PARTS LIST				
		NONE		APPROVALS				
		PROCESS SPEC.		DATE				
		SEE NOTE 8		THIRD ANGLE PROJECTION				
				PREPARED BY	W. LEE	12-Aug-22	AMPHENOL CORPORATION	
				ENGINEER IN CHARGE	W. LEE		40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838	
				DESIGN MANAGER	J. ROTHROCK		ETHERNET SWITCH	
				DESIGN ACTIVITY GROUP	CI		6 PORTS	
						SIZE	CAGE CODE	DOCUMENT NO.
						C	77820	CF-020400-52X
						SCALE: 1.5	REF. CF-020011-32X	SHEET 1 OF 3
								REV. A

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SHEET 1 OF 3
REV. A
VERSION 0
Eng PDM Information For Reference Only

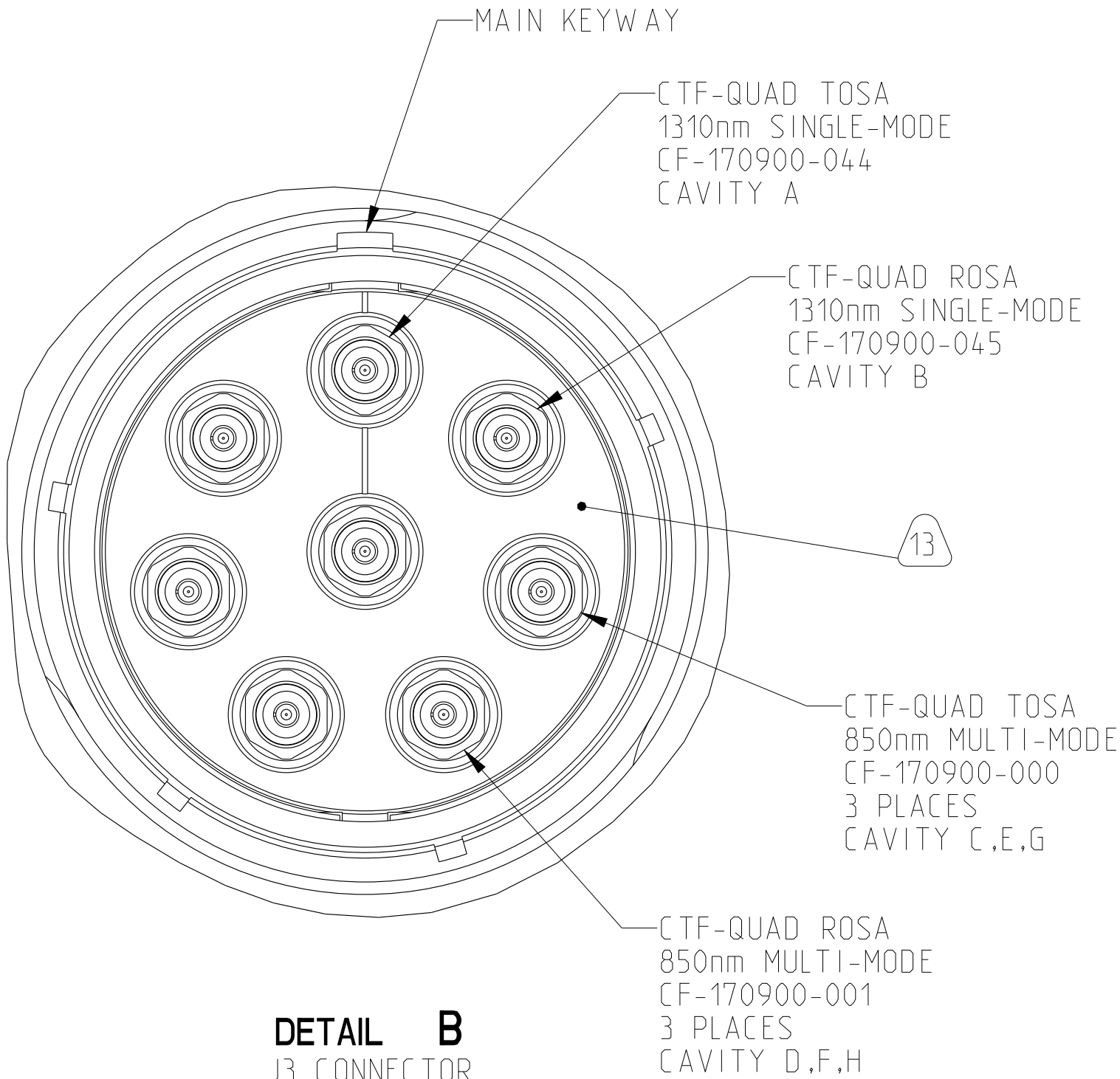
J3 CONNECTOR		
ID	DESCRIPTION	FIBER TYPE
A	CH_3_1GBASE-LX_TX	9/125 SINGLE-MODE 1310nm
B	CH_3_1GBASE-LX_RX	
C	CH_4_1GBASE-SX_TX	50/125 MULTI-MODE 850nm
D	CH_4_1GBASE-SX_RX	
E	CH_5_1GBASE-SX_TX	
F	CH_5_1GBASE-SX_RX	
G	CH_6_1GBASE-SX_TX	
H	CH_6_1GBASE-SX_RX	

J2 CONNECTOR	
ID	DESCRIPTION
1	CHASSIS_GND
2	CHASSIS_GND
3	CHASSIS_GND
4	CHASSIS_GND
5	28VDC
6	28VDC_RTN

J1 CONNECTOR	
ID	DESCRIPTION
B-1	CH1_A_1GBASE-T_P
B-2	CH1_A_1GBASE-T_N
B-3	CH1_B_1GBASE-T_P
B-4	CH1_B_1GBASE-T_N
B-5	CH1_C_1GBASE-T_P
B-6	CH1_C_1GBASE-T_N
B-7	CH1_D_1GBASE-T_P
B-8	CH1_D_1GBASE-T_N
B-GND	GND
F-1	CH2_A_1GBASE-T_P
F-2	CH2_A_1GBASE-T_N
F-3	CH2_B_1GBASE-T_P
F-4	CH2_B_1GBASE-T_N
F-5	CH2_C_1GBASE-T_P
F-6	CH2_C_1GBASE-T_N
F-7	CH2_D_1GBASE-T_P
F-8	CH2_D_1GBASE-T_N
F-GND	GND



DETAIL A
J1 CONNECTOR FRONT VIEW
OCTONET PIN POSITION
SCALE 8.000



DETAIL B
J3 CONNECTOR
SCALE 3.000

SEE SHEET 3

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REV. A

SHEET 3 OF 3

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DOCUMENT NO. CF-020400-52X

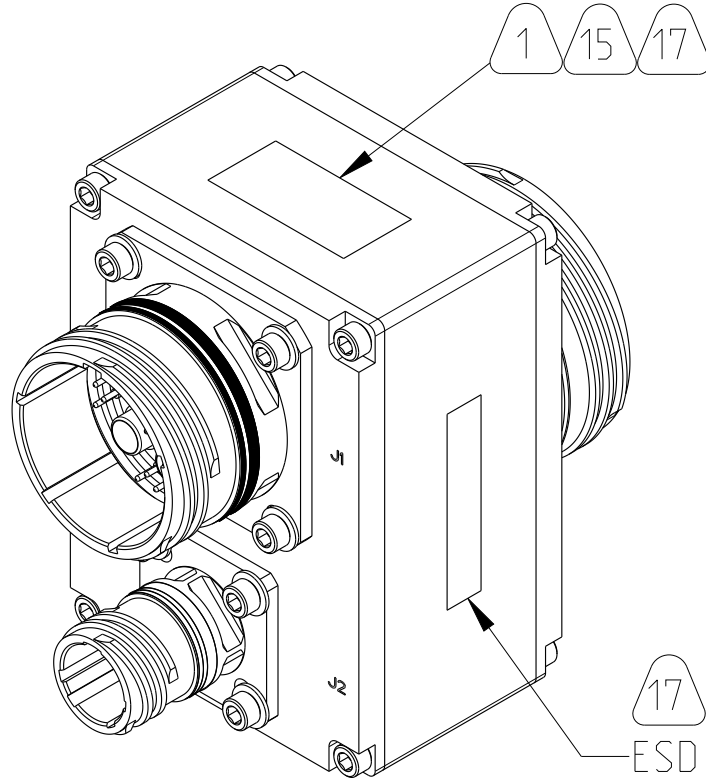
SHEET 3 OF 3

REV. A

1

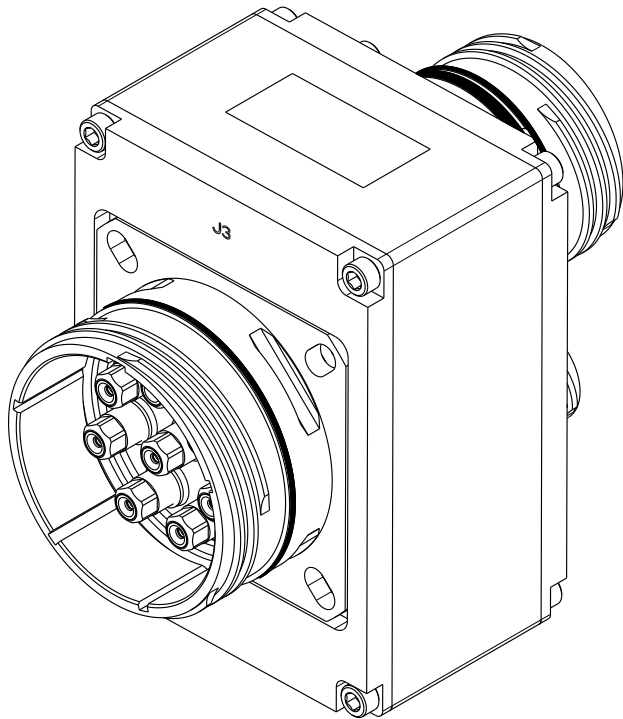
15

17



FRONT ISOMETRIC VIEW
SCALE 1.000

17



REAR ISOMETRIC VIEW
SCALE 1.000

10. APPROXIMATE WEIGHT: 288 GRAMS

9. CONVERTER HOUSING AND CONNECTOR SHELLS ARE NI-PTFE (DURMALON) PLATED ALUMINUM ALLOY.

8. PROCESS SPEC: 9-3856-5, 9-9172-3

7. SEE J3 CONNECTOR I/O TABLE FOR COMPATIBLE FIBER TYPES.

6. PACKAGE PER PRODUCTION PROCESS SHEET.

5. MARKING DATA MAY DIFFER FROM DRAWING BASED ON CUSTOMER SPECIFIC ORDER REQUIREMENTS.

4. ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE (ESD) SENSITIVE COMPONENTS. ASSEMBLY SHALL BE HANDLED, PACKAGED, AND SHIPPED TO MEET REQUIREMENTS OF ANSI/ESD-S-20.20 AND IPC-A-610.

3. PROTECTIVE CAPS SHALL BE INSTALLED PRIOR TO SHIPPING.

2. PACKAGE LABEL SHALL CONTAIN THE SAME INFORMATION SHOWN IN NOTE 1.

1. MARK LABEL "AMPHENOL", PART NUMBER AND SEVEN DIGIT SERIAL NUMBER AND ATTACH ON INDICATED SURFACE. SERIAL NUMBER PER 9-9172-3.

EXAMPLE: FOR NORMAL KEY CONVERTER NUMBER 8 BUILT ON AUG 19, 2022

AMPHENOL
CF-020400-52N
2233008

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17. BRADY B-103 CLEAR LAMINATING APPLIED TO INDICATED LABEL.

16. OPERATING TEMPERATURE: -40°C TO 70°C
STORAGE TEMPERATURE: -55°C TO 85°C

15. LABEL MATERIAL:
POLYESTER WITH PERMANENT ACRYLIC ADHESIVE
BRADY B-422

14. MATING CONNECTOR REFERENCE:
J1 MATING CONNECTOR: TV06QDT-19-18S(LC) OR EQUIVALENT
J1 MATING CONTACT:
21-032905-021 OCTONET FOR PIC E6A3824 CABLE
OR EQUIVALENT
J2 MATING CONNECTOR: TV06DT-9-35S OR EQUIVALENT
J3 MATING CONNECTOR: TV06QDT-25-8S(LC) OR EQUIVALENT
J3 MATING CONTACT:
FOR SINGLE-MODE FIBER
CF-198149-126 ARINC801 FOR TIGHT STRUCTURE FIBER
WITH CF-198201-000 ARINC801 ADAPTER
FOR MULTI-MODE FIBER
CF-198149-128 ARINC801 FOR TIGHT STRUCTURE FIBER
WITH CF-198201-000 ARINC801 ADAPTER

13. FOR INSERT ARRANGEMENT, SEE FOLLOWING DOCUMENTS.
J1 CONNECTOR: LQ-21818-18
J2 CONNECTOR: L-21808-35
J3 CONNECTOR: LQ-21824-8

12. J1, J2 AND J3 CONNECTOR DESIGNATORS SHALL BE STAMPED IN CONTRASTING COLOR PER 9-3856-5. LOCATION OF DESIGNATORS SHALL BE APPROXIMATELY AS SHOWN. .075" MINIMUM LETTER HEIGHT.

11. USE OF LEAD-FREE SOLDER IS PROHIBITED.

SIZE C

CAGE CODE 77820

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SCALE: 1.5

REF: CF-020011-32X

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REV. A

Mouser Electronics

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